

Converting Colors

XYZ(20.2912, 10.2507, 10.4283)

Have a look what the booklet for
XYZ(20.2912, 10.2507, 10.4283)
contains.

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Color

**XYZ(20.1633, 10.1862,
10.3546)**

Conversions

Conversions Part 1

Format	Color
Hex	B20059
RGB	178, 0, 89
RGB Percent	70%, 0%, 35%
CMY	0.3020, 0.9999, 0.6510
CMYK	0.00, 1.00, 0.50, 0.30
HSL	330°, 100%, 35%
HSV	330°, 100%, 70%
XYZ	20.1633, 10.1862, 10.3546
YIQ	63.3680, 77.5190, 65.4150

Conversions

Conversions Part 2

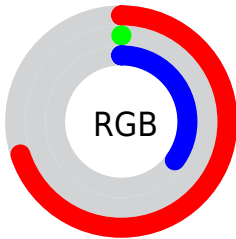
Format	Color
R_{YB}	178, 0, 89
Decimal	11665497
CIE _{Lab}	38.17, 64.69, 2.11
CIE _{LCh}	38, 64.726, 1.872
Yxy	10.1862, 0.4954, 0.2502
Android (android.graphics.Color)	4289855577 (0xFFB20059)
YUV	63.3680, 12.6366, 100.5323
Hunter-Lab	31.9158, 56.9173, 3.1053

Details

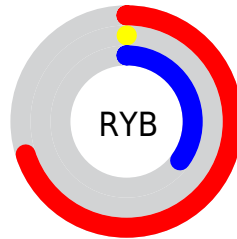
The XYZ color **20.1633, 10.1862, 10.3546** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.7250, 32.5627, 14.8078**, and the grayscale version is **4.7548, 5.0025, 5.4477**.

A 20% lighter version of the original color is **43.1992, 26.0997, 27.1870**, and **8.0624, 4.1038, 2.7500** is the 20% darker color. If you saturate the color by 10%, you get **20.1628, 10.1860, 10.3519**, and if you desaturate by 10%, it is **20.7736, 10.7719, 12.5152**.

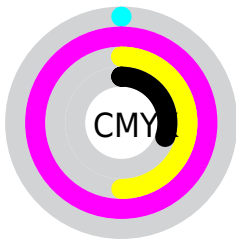
Distribution



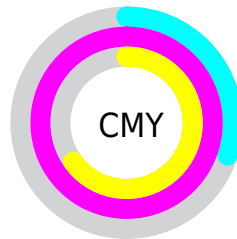
- Red (70%)
- Green (0%)
- Blue (35%)



- Red (70%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1633, 10.1862, 10.3546 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.1633, 10.1862, 10.3546 by changing the saturation by 10% instead.


 20.1633, 10.1862,
10.3546


 20.1633, 10.1862,
10.3546


245.6145,
191.9959, 203.7604


 12.6228, 5.5226,
5.5260


 43.1927, 26.1451,
27.0785

 7.2445, 2.5570,
2.4950


 59.4122, 38.2093,
39.8110


 3.6632, 0.9051,
0.8375

 79.2554, 53.5090,
56.0151

 1.5134, 0.0000,
0.0000

 103.0877, 72.4288,
76.1095

 0.3349, 0.0000,
0.0000

 131.2744, 95.3529,
100.5127

 0.0000, 0.0000,
0.0000

 164.1809,

122.6659, 129.6432

202.1725,
154.7521, 163.9196

■ 20.1633, 10.1862,
10.3546

■ 20.1633, 10.1862,
10.3546

■ 20.1628, 10.1860,
10.3519

■ 20.7736, 10.7719,
12.5152

■ 21.6232, 11.7616,
14.9861

■ 22.7879, 13.3042,
17.7998

■ 24.3042, 15.4708,
20.9753

■ 26.2033, 18.3215,
24.5295

■ 28.5128, 21.9093,
28.4781

■ 31.2574, 26.2820,
32.8354

■ 34.4601, 31.4832,
37.6148

■ 38.1419, 37.5536,
42.8293

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.6588, 10.1862, 25.8988



20.1633, 10.1862, 10.3546



18.2543, 10.1862, 2.8277

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.1633, 10.1862, 10.3546



6.0224, 10.1862, 0.7587



6.3606, 10.1862, 46.3831

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.1633, 10.1862, 10.3546



17.7250, 32.5627, 14.8078

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.3278, 10.1862, 28.2640



20.1633, 10.1862, 10.3546



4.1758, 10.1862, 3.3855

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.1633, 10.1862, 10.3546



9.4210, 10.1862, 0.0788



3.6585, 10.1862, 11.8616



9.9471, 10.1862, 53.7812

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.1633, 10.1862, 10.3546



15.5516, 10.1862, 1.0440



3.6585, 10.1862, 11.8616



5.5131, 10.1862, 40.9121

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.1636, 10.1868, 10.3548



56.3973, 47.2005, 59.1043



12.1572, 5.3394, 42.5094



12.0172, 9.6926, 12.3480



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.1636, 10.1868, 10.3548



36.4478, 18.4253, 18.1611



18.3605, 9.4656, 0.8601



8.6676, 8.5738, 9.7481



14.4585, 7.3009, 7.5742



0.4844, 0.2415, 0.3934

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.1636, 10.1868, 10.3548



36.4478, 18.4253, 18.1611



23.9566, 35.0553, 47.6232



8.6676, 8.5738, 9.7481



14.4585, 7.3009, 7.5742



0.4844, 0.2415, 0.3934

Previews

White Background



This preview shows how the XYZ color 20.1633, 10.1862, 10.3546 looks on a white background.

Color Contrast Check

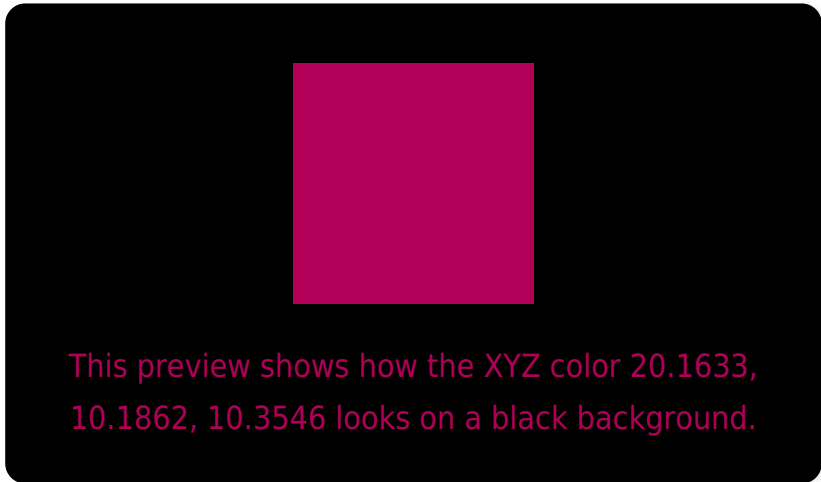
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1633, 10.1862, 10.3546

Background



This preview shows how black text looks on a background with the XYZ color 20.1633, 10.1862, 10.3546.



This preview shows how white text looks on a background with the XYZ color 20.1633, 10.1862,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.1633, 10.1862, 10.3546

Protanopia

11.0969, 10.8165, 22.2718

Deuteranopia

10.9211, 10.7572, 9.4834



Tritanopia

18.8089, 10.5535, 2.6358

Trichromacy



Original Color

20.1633, 10.1862, 10.3546



Protanomaly

11.7528, 7.9540, 16.8354



Deuteranomaly

12.6185, 8.4877, 9.5675



Tritanomaly

19.1080, 10.1968, 4.5755

Monochromacy



Original Color

20.1633, 10.1862, 10.3546



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.7542, 4.9887, 6.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1633, 10.1862, 10.3546 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 89)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 20.1633, 10.1862, 10.3546 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 0, 89) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(178, 0, 89) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(178, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1633, 10.1862, 10.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 89) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178, 0,  
89) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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